

Temporal Variant of Frontotemporal Dementia: A Case of Semantic Dementia

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Semantic dementia is a rare, distinct form of frontotemporal lobar degeneration, characterized by a deficit in semantic memory with relative preservation of attention and executive functions. We report a case of semantic dementia that presented with a 3-year history of progressive word-finding difficulty and prosopagnosia. Brain MRI showed prominent atrophic changes in the left temporal region and neuropsychological tests demonstrated semantic memory deficits.

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Key Words : Semantic dementia, Frontotemporal dementia, Frontotemporal lobar degeneration

(Semantic dementia; SD)
(Frontotemporal lobar degeneration; FTLD)
(FTLD) 59 가 3
가
(Frontal lobe degeneration), 3
(Frontal lobe degeneration of Non-Alzheimer's type),
(Dementia of frontal type)
가 (effortful speech production), 가 1
(Primary progressive aphasia),
가
(Semantic dementia) 1
1 가
가

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Test: K-BNT)

1/60

(K-Boston Naming

K-BNT²

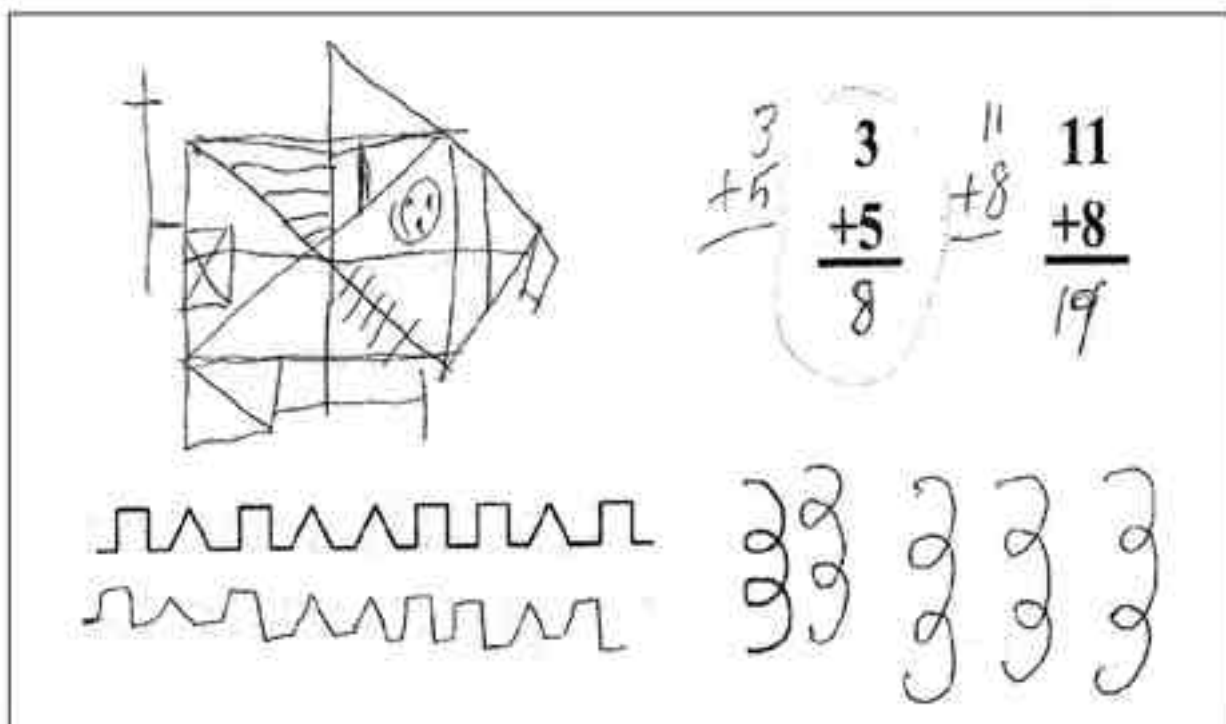


Figure. 1. Patient's writing and figure copying. These show relatively preserved functions in calculation, Rey figure, luria loop, and alternation square-triangle copy drawings.

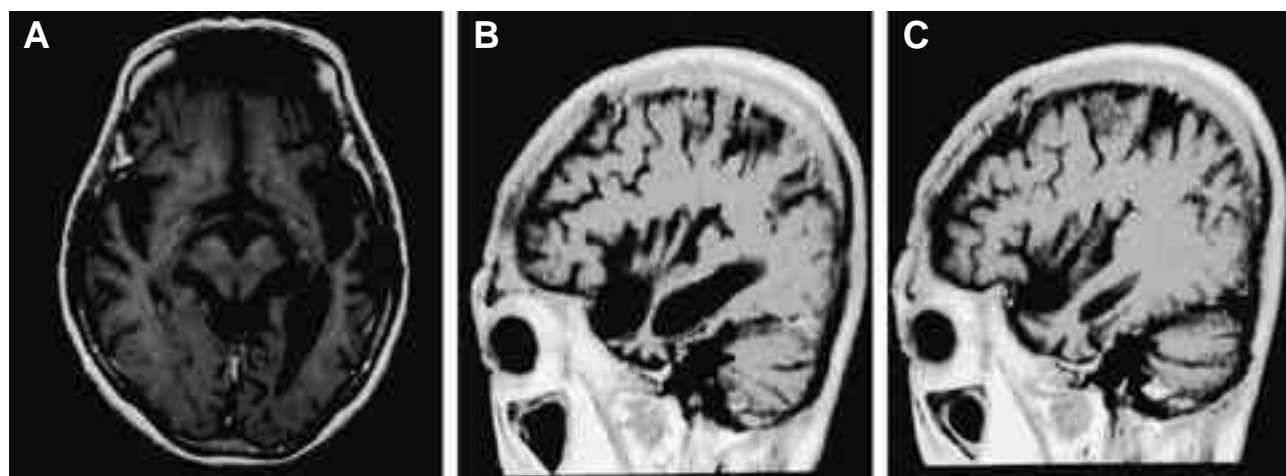


Figure. 2. T1-weighted axial MRI scan. It shows striking focal atrophy of left side predominant bilateral temporal cortex. **A.** Axial view, **B.** left lateral view, **C.** right lateral view.

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		;		
), 2	(Western Aphasia Battery	6
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		;	(forward)	3
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		34/36	. luria loop	alternating square-

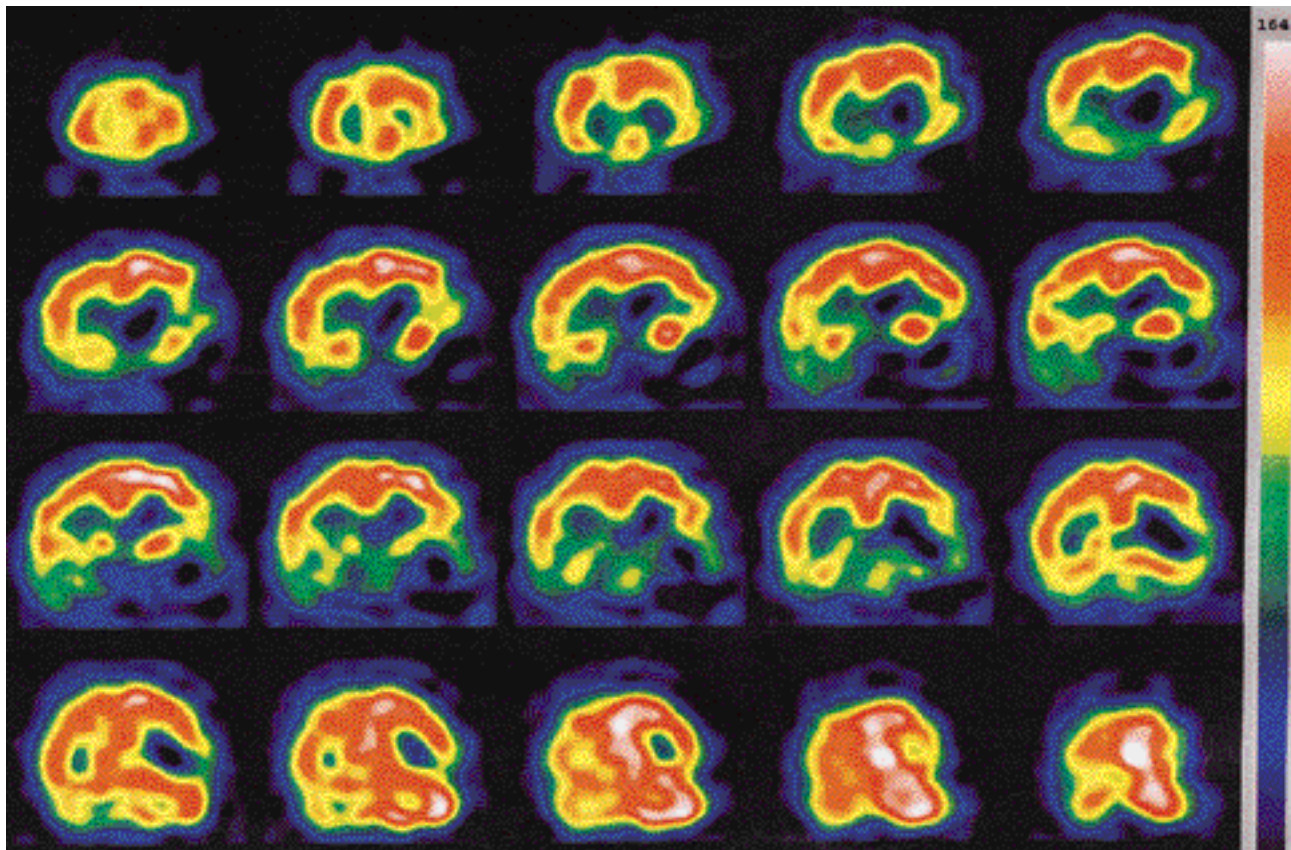


Figure. 3. Brain HMPAO-SPECT scan. It shows decreased regional cerebral blood flow over the left temporal cortex.

triangle . setting shift 가 ,
ability fist-edge-palm alternating .⁴
hand movement (Figure 1).
가 . Rey-fig-
ure 가 , 가
가 , 가
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(Figure 2),
(SPECT) 가 (single word comprehension)
(Figure 3). (naming)
(semantic paraphasia)
(superordinate category substitution)
(FTLD) (coordinate category errors)(
; .
20% .³ 가) 가 .
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dementia prototype; FTD) 가
(primary progressive aphasia) (pri- 2 가
1
, (middle 가
gyrus) (inferior gyrus) 3
(neocortex) 가 .

(prosopagnosia) , 가
(associative agnosia) .
conceptual matching .
가
(press of speech)
memory) (episodic group
4
45 ~ 65
55 가
가
7 3 (linkage)가
5 가
(semantic activation paradigm)
6 가
가
2가
(spongiform degeneration) layer II

(superficial neuropil) (microvacu-
ation)
(subpial region) . Pick ,
tau ubiquitin .
가
(FTLD) heterogenous
group
가

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